

PAV, J.; SONKA, J.

New concepts on the pathogenesis of diabetes mellitus. Cas.
lek. cesk. 103 no.30:817-823 27 Jl '64

1. III. interni klinika fakulty vseobecneho lekarstvi KU
[Karlov university] v Praze; prednosta: akademik J. Charvat.

length of 10.4 mm and maximum width of 3.6 mm. The total weight of the specimen was 0.4 g.

"APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R001652420002-9

KOLBEL, F.; GREGOROVA, I.; SONKA, J.

Dehydroepiandrosterone deficiency in the urine of some patients
with hypertension. Cas. lek. cesk. 103 no.33:922-923 14 Ag '64.

APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R001652420002-9"

KOLBLOVA, V., MEGOROVA, I.; KOLBPL, F.; SONKA, J.

Changes in the excretion of dehydroepiandrosterone in pregnancy.
Cas. lek. cesk. 103 no.45:1261-1262 6 N '64.

1. Porodnicko-gynekologicke oddeleni v Brandyse n Labem,
(vedouci MUDr. M. Zaloudek); Laborator pro endokrinologii
a metabolismus v Praze, (vedouci akademik J. Charvat) a
III. interni klinika fakulty vseobecneho lekarstvi Karlovy
University v Praze (prednosta akademik J. Charvat).

SOKOLOVSKA, J.; MAREK, V.; STEPHAN, P.; LUCEROVA, B.; ZHESKOVA, A.;
EDVICAL, J.

Muscle activity and a reducing regimen. Vnitri lek. II no.3:
245-261 Mr '65

1. Laborator pro endokrinologii a metabolismus, fakulta vse-

obecného lekarství v Praze (prednosta akademik Josef Charvat);

Vyzkumný ústav pro fyziatrii, balneologii a klimatologii,

Mariánské Lázně (prednosta: prof. Karel Prerovsky, Dr.Sc.) a

katedra tělesné výchovy Karlovy University, Praha (vedoucí:

doc. Jiří Jirousek).

"APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R001652420002-9

He was born at New York City, April 10, 1850; educated at the High School of the City of New York; graduated from Columbia University in 1870; studied law at the New York Law School, and was admitted to the bar in 1873.

APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R001652420002-9"

DOBERSKY, P. (Praha-Krc, Budejovicka 800); SONKA, J.

Life regimen of women in the menopause with regard to obesity
and slenderness. Cesk. gynek. 30 no.6:447-456 Ag '65.

1. Ustav pro vyzkum vyzivy lidu v Praze (reditel prof. dr.
J. Masek, DrSc) a Laborator pro endokrinol. a metabol. fak.
vseob. lek. Karlovy University v Praze (vedouci akad. J. Charvat).
Submitted April 2, 1965.

SONKA, J.; GREGOROVA, I.; KÖLBEL, F.

Menopause and metabolic disorders. Cesk. gynek. 30 no.6:
456-462 Ag '65.

1. Laborator pro endokrinol. a metabol. (vedouci akad. J. Charvat)
a III. int. klin. (prednosta akad. J. Charvat) fak. vseob. lek.
Karlov University v Praze. Submitted July 22, 1964.

SOKA,J.; GREGOROVÁ, I.; JIRANEK,M.; KOLEL,F.; MATYS, Z.

Dehydroepiandrosterone deficiency - a new syndrome? Cas. Lek.
cesk. 104 no.10:266-270 12 Mr'65.

I. Laborator pro endokriologii a metabolismus fakulty všeobecneho lekarstvi Karlovy University v Praze (reditel:
akademik J.Charvat); III. interni klinika fakulty všeobecneho lekarstvi Karlovy University v Praze (prednost: akademik
J. Charvat).

SOKHIN, A.S.

Combined ovarian and uterine pregnancy. Kn. v. Med. Zhur. no. 6:
(MIRA 17:5)
62-63 '62.

I. Akusherko-ginekologicheskaya klinika (z.v. - detsent K. G.
Konsul'to) na baze Smolenskoy 2-y garetskoy klinicheskoy poli-
nitsay (glavnnyy vrach - G.I. Pashkov).

KOMESHKO, K.K., dotsent; SONKIN, A.S.

Diagnosis and surgical treatment of 1075 patients with extrauterine
pregnancy. Trudy SMI 17:34-45 '63. (MIRA 18:1)

1. Iz kafedry akusherstva i ginekologii (zav. - dotsent K.K. Ko-
meshko) Smolenskogo gosudarstvennogo meditsinskogo instituta.

STEPANOVA, P.A., dotsent; SONKIN, A.S.

Causes of uterine ruptures. Trudy SMI 17:67-72 '63. (MIA: 1P:1)

1. Iz kafedry akusherstva i ginekologii (zav. - dotsent R.K. Komeshko) Smolenskogo gosudarstvennogo meditsinskogo instituta.

KOBRIN, B.B. [translator]; POPOV, P.V. [translator]; RUKAVISHNIKOV,
B.I., red.; SONKIN, D.A., red.; ARTEMIOVA, Ye., tekhn.red.

[Development of resistance to insecticides in insects and
acarids; collection of articles] Priobretenie nasekomyimi i
kleshchami ustoichivosti k iadam; sbornik statei. Moskva,
Izd-vo inostr.lit-ry, 1959. 331 p. (MIRA 13:8)
(Insects--Physiology) (Insecticides)

SON'KIN, L.R.

Some characteristics of synoptic observable in winter in the region
of the Far Eastern seas. Meteor.i gidrol. no.6:21-27 Je :61.
(MIRA 14:5)

(Far East—Cyclones)

S/169/62/000/004/038/103
D228/D302

AUTHOR: Son'kin, L. R.

TITLE: Manifestation of the 27-day cycle in the winter atmospheric circulation over the area of the Far Eastern seas

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 4, 1962, 36, abstract 4B221 (Solnechnyye dannyye, no. 8, 1961, 72-75)

TEXT: The presence of the sun's active longitudes, in the sense of their influence on the terrestrial atmosphere, has been established by L. A. Vitel's; this is also confirmed by analysis of the transformations of L. Ya. Vangengeym's types of atmospheric circulation. These patterns were established for the Atlantic-Eurasian sector of the northern hemisphere. The possibility of detecting the relations of the solar activity to the circulation in the area of the Far Eastern seas was studied. Processes with the most considerable disturbance of the circulation, characterized by considerable meridionality, the invasion of cold into the east of Asia, and the

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S/169/62/000/004/038/103
D228/D302

Manifestation of the ...

transfer of heat into the Pacific Ocean's adjoining part, were distinguished on the grounds of the analysis of data for the cold months (November-March) of 1950/51 - 1959/60. A field of high pressure forms in the region where the Aleutian depression is located on the average charts; while becoming much deeper, cyclones arising near Japan also move into the area of the Okhotsk Sea and into Kamchatka. Such processes are termed anomalous; their frequency amounts to 28%. The frequency of anomalous processes was calculated according to the days of the solar calendar for the whole period containing 53 cycles, each of 27 days. Three frequency maxima and three frequency minima are visible on the graph. A minimum on the 24th day and a maximum at the beginning of the cycle are most clearly distinguishable. Certain peculiarities in the trend of the curves can be used in preparing weather forecasts. [Abstracter's note: Complete translation.] ✓

Card 2/2

SON'KIN, L.R.

Relation of the winter synoptic processes in Eastern Asia and the adjacent part of the Pacific Ocean to the general circulation of the atmosphere. Trudy GGO no.133:73-83 '62. (MIRA 16:2)
(Far East—Atmosphere) (Pacific Ocean—Atmosphere)

SON'KIN, L.R.

Formation and evolution of a winter upper frontal zone on the
boundary of Eurasia and the Pacific Ocean and its characteristics
for forecasting. Trudy GGO no.133:84-93 '62. (MIRA 16:2)
(Eurasia—Atmosphere) (Pacific Ocean—Atmosphere)
(Weather forecasting)

SON'KIN, Lev Rakhimovich; VOROB'YEVA, Ye.V., otv. red.; RUSAKOVA,
G.Ya., red.; ALEKSEYEV, A.G., tekhn. red.

[Winter synoptic processes in the area of the Far Eastern
seas and weather predictions for 3 to 7 days] Zimnie sinop-
ticheskie protsessy raiona dal'nevostochnykh morei i prognozy
pogody na 3-7 dnei. Leningrad, GIMIZ, 1963. 105 p.
(MIRA 16:6)

(Soviet Far East--Weather forecasting)

"APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R001652420002-9

VORTEX, R., MIR, 18:10.

The motion of the atmospheric processes and the conversion of
large-scale circulation. Trudy OG0 no.181:75-79 '65.

(MIRA 18:10)

APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R001652420002-9"

L 64967-65 EWT(1)/FCC GW

UR/2531/65/000/172/0079/0085
15
D
B+1

ACCESSION NR: AT5019739

AUTHOR: Son'kin, L. R.

TITLE: Synoptic conditions for the formation of inversions in the lower 500-meter layer

SOURCE: Leningrad. Glavnaya geofizicheskaya observatoriya. Trudy, no. 172, 1965. Voprosy atmosfernoy diffuzii i zagryazneniya vozdukha (Problems of atmospheric diffusion and contamination), 79-85

TOPIC TAGS: atmospheric boundary layer, inversion recurrence, air pollution, atmospheric inversion, weather forecasting
12,44,55

ABSTRACT: Little is known at the present time about the geographic distribution of inversions, although they are of paramount importance in determining the dispersion of pollutants in the atmosphere above various geographic regions. Consequently, the author investigated the synoptic conditions of various temperature profiles in the lower 500-meter atmospheric layer in the regions of the Dolgoprudnaya and Shchekinskaya GRES [State Regional Electric Stations]. Using the Vasil'chenko classification of temperature profiles (Osnovnyye tipy vertikal'nykh profiley temperatury i vетра v nizhnem 500-metrovom sloye po aerostatnym nablyudeniyam v rayone Shchekinskaya GRES], the author determined the frequency of occurrence of inversions in the lower 500-meter atmospheric layer in the regions of the Dolgoprudnaya and Shchekinskaya GRES [State Regional Electric Stations].

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L 64967-65

ACCESSION NR: AT5019739

3

kinskoy GRES (Principal lapse-rate conditions and wind profiles in the lower 500-meter layer as determined from balloon observations in the region of the Shchekinskaya GRES), Trudy GGO, no. 172, 1965), he analyzes the recurrence of inversions by type and month, the percentage of various types of inversions as a function of observation time, and inversion recurrence as a function of various synoptic conditions. Possible conclusions from these observations concerning large-scale inversions above the Eurasian continent are discussed. Orig. art. has: 3 tables. [08]

ASSOCIATION: Glavnaya geofizicheskaya observatoriya, Leningrad (Main Geophysical Observatory) 44,55

SUBMITTED: 00

ENCL: 00

SUB CODE: ES

NO REF SOV: 008

OTHER: 002

ATD PRESS: 4084

Card 1m
2/2

SON'KIN, L.R.

On the intensity of zonal transport over the American continent and the characteristics of surface pressure. Trudy GGO v.3 N180-83 '65.

Correlation of winter synoptic processes in the region of the Far East sea and the interrelationship between the atmospheric circulation of Eurasia and the Pacific Ocean. Tbil. 194-91

(MIRA 18:10)

ACC NRAT6035511

SOURCE CODE: UR/2531/66/000/185/0044/0054

AUTHOR: Son'kin, L. R.; Razbegayeva, Ye, A.; Terekhova, K. M.

ORG: none

TITLE: Meteorological conditions causing atmospheric pollution over cities

SOURCE: Leningrad. Glavnaya geofizicheskaya observatoriya. Trudy, no. 185, 1966. Voprosy atmosfernoy diffuzii i zagryazneniya vozdukha (Problems of atmospheric diffusion and air pollution), 44-54

TOPIC TAGS: micrometeorology, ~~atmospheric~~^{air} pollution, ~~urban~~ smog, dust, sulfur dioxide, ~~sulfur~~ compound, atmospheric precipitation

ABSTRACT: This article begins with a five-page survey of possible correlations between atmospheric pollution and meteorological factors. The authors relied chiefly on 1961-1963 data on dust and sulfur dioxide pollution supplied by the Leningrad Municipal Sanitation-Epidemiological Service. Samples were obtained at 14 points in Leningrad, usually twice a week, with some gaps of a day or more. Summer observations were more complete than winter observations. Data from Moscow, Donetsk, Makeyevka, Novosibirsk, Kemerovo, and Prokop'yevsk were utilized to some extent.

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UDC:none

ACC NR: AT6035511

The first stage of the project was to get a general picture of the atmospheric pollution in some cities, especially in Leningrad. Cases in which dust concentrations were above the maximum tolerance limit amounted to 17% of the total number of observations in Leningrad in 1961-1963, and excessive sulfur dioxide pollution provided 19%. The corresponding figures for Moscow (about 5000 samples) in 1962-1964 were 7% and 10%. The next step was to construct graphs showing the variations of atmospheric contamination in cities (Figs. 1 and 2). There was a tendency for air pollution maxima to appear over the Donbass and the Kuzbass in the spring time. The data failed to indicate the existence of winter maxima caused by heating of buildings, nor was there a definite analysis of data on correlation between concentrations of dust, sulfur dioxide, and wind directions. The dependence of dust and

Card 2/6

ACC NR: AT6035511

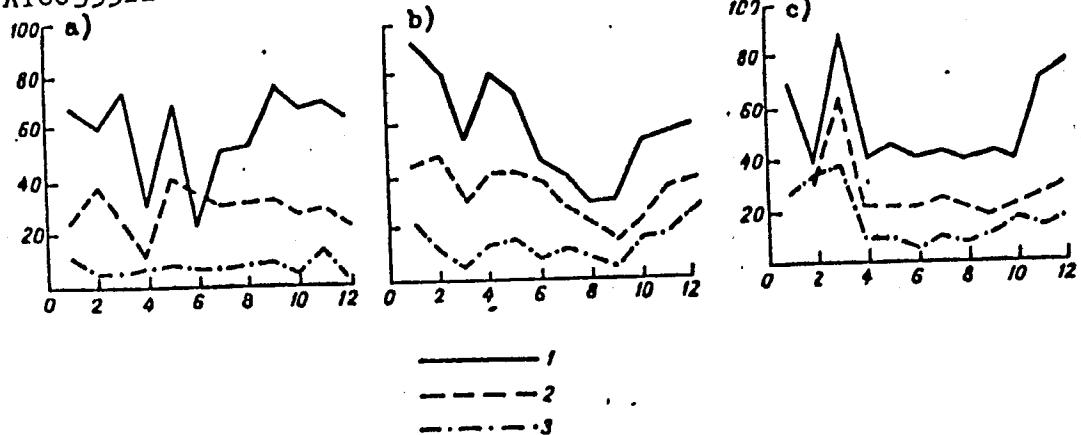


Fig. 1. Annual rate of dust settling in Lenin-
grad, after N. M. Tomson

1 - Industrial areas; 2 - residential areas; 3 -
park zone; a - 1940; b - 1953; c - 1954.

Card 3/6

ACC NR:AT6035511

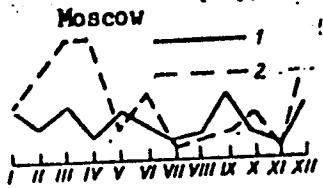
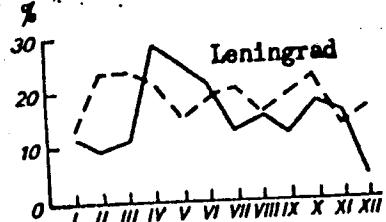


Fig. 2. Annual variation in frequency of dust and sulfur dioxide concentrations exceeding the maximum tolerable concentration

1 - Dust; 2 - sulfur dioxide.
sulfur dioxide concentrations on wind speeds is shown in
Fig. 3. As might be expected, strong winds were most
effective in cleansing the air. Although no data on reduc-

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ACC NR: AT6035511

Table 1. Frequency (%) of dust concentrations exceeding the maximum tolerable concentration under different synoptic conditions

Time of year	Synoptic situation		
	Anti-cyclone	Cyclone	Intermediate field
Cold.	30	5	12
Warm.	22	9	19

mined directly by the sources of contamination, but by the presence of some background concentration and are chiefly associated with anticyclones, particularly with slow-moving, strong anticyclones. Frequencies of dust concentrations above the maximum tolerable level under various synoptic conditions are given in Table 1. Orig. art. has: 4 figures and 3 tables.

[WA-50; CBE No. 14
[ER]

SUB CODE: 04/ SUBM DATE: none/ ORIG REF: 011/ OTH REF: 014

Card 6/6

"APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R001652420002-9

SONKIN, M.

At the origins of the Soviet merchant marine. Mor.flot 25 no.1:37-
39 Ja '65. (MIRA 18:2)

APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R001652420002-9"

SON'KIN, N. A.

"Electric Drive Regulated by the Current Function for Rolling-Mill Mechanisms."
Sub 5 Nov 51, All-Union Correspondence Polytechnic Inst, Ministry of Higher Education
USSR

Dissertations presented for science and engineering degrees in Moscow during 1951.

SO: Sum. No. 480, 9 May 55

Son'kin, M. A.

USSR/ Engineering - Metal drawing

Card 1/1 Pub. 128 - 7/31

Authors : Son'kin, M. A., and Filatov, A. S., Cand. Tech. Sc.

Title : High speed drawing mill

Periodical : Vest. mash. 35/5, 14-17, May 1955

Abstract : The technical and structural characteristics of a high-speed metal-drawing mill, capable of drawing 15 - 17 m/sec, are described. The operations of the mill in question are controlled by means of a SS-195/150 selsyn. Graphs; drawings.

Institution :

Submitted :

SOV/137-57-6-10007

Translation from: Referativnyy zhurnal, Metallurgiya, 1957, Nr 6, p 94 (USSR)

AUTHORS: Son'kin, M.A., Filatov, A.S.

TITLE: The Electric Drive of a High-speed Wire-drawing Machine (Elektroprivod stana skorostnogo volocheniya)

PERIODICAL: V sb.: Prokatnyye stany. Nr 7. Moscow, Mashgiz, 1956, pp 194-200

ABSTRACT: Continuous wire-drawing (D) machines with back tension are aggregates the output and quality of the product of which is essentially governed by the quality of the electrical equipment. Tests of a high-speed machine with an operating speed (S) of 20 m/sec have been completed in the rolling laboratory of the TsKBMM of the TsNIITMash (Central Scientific Research Institute for Technology and Machinery). A new electric drive system is advanced, in which control of the tension on the wire (W) is by changing the field of the motor with the aid of power selsyns. In the case of machines in which the S can be cut down very considerably, a system is under examination for supplying the motors from separate 2-coil generators. In that event control of tension is by means of selsyns which

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SOV/137-57-6-10007

The Electric Drive of a High-speed Wire-drawing Machine

are connected into the generator field circuit. Both circuits were tested on a 5/250 laboratory wire-drawing machine. In continuous wire-drawing machines with back tension, D is performed simultaneously in several dies, and this governs the major specifications that have to be met by the electric drive of the mill and its system of control, namely, the maintenance of stable W tension between blocks and maintenance of a prescribed ratio of block-rotation S. The W tension is created by a system of levers and springs with a tension roller at the end of a lever. The S is regulated by changing the length of the loop. Experimental investigation has confirmed the desirability of using selsyns as pick-ups for the system of S control for the blocks. The control system used with this machine makes it possible for the drives and the machine as a whole to function at D S of up to 20 m/sec on the finishing block. However, it is difficult to attain a stable servicing S at high D S. This makes necessary a further improvement in the design of control of high-speed D machines.

B.Ye.

Card 2/2

SON'KIN, M.A., kandidat tekhnicheskikh nauk.

Investigating individual electric drives of rolls on rolling mill
trains. [Trudy] TSNIITMASH no.80:35-57 '56. (MIRA 10:1)
(Rolls (Iron mills))-Electric driving)

SON'KIN, M.A., kandidat tekhnicheskikh nauk; FILATOV, A.S., kandidat
tekhnicheskikh nauk.

Specific power consumption as a basis for computing drawing forces and
the capacity of motors driving draw bench drums. [Trudy] TSMIITMASH
no.80:186-193 '56. (MLRA 10:1)
(Drawing (Metalwork)) (Electric driving)

SHOR, Emmanuil Romanovich. Prinimali uchastiye: GIL'IA VSKIY, S.P., kand.tekhn.nauk; SON'KIN, M.A., kand.tekhn.nauk; SOLODUKHO, Ya.Yu., inzh.; KOZLOV, B.N., POLUKHIN, P.I., prof., doktor tekhn.nauk, rassentz; KOROLEV, A.A., red.; OZARETSKAYA, A.L., red.izd-vn; ISLENT'YEVA, P.G., tekhn.red.

[New rolling mill processes] Novye protsessy prokatki. Moskva, Gos.sauchno-tekhn.izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1960. 385 p. (MIRA 13:1)

1. Gosudarstvennyy proyektnyy institut Tyazhpromelektroprojekt
(for Solodukho).
(Rolling (Metalwork))

GANNEL', Viktor Yakovlevich; SON'KIN, M.A., kand. tekhn. nauk, red.;
DOBUSHINSKAYA, L.V., tekhn. red.

[Electric drive of wire-drawing benches and rope-spinning machines]
Elektroprivod volochil'nykh stanov i kanatnykh mashin. Moskva,
Metallurgizdat, 1962. 175 p. (MIRA 15:7)
(Wire drawing) (Wire rope) (Electric driving)

BUR'YANOV, Viktor Fomin; ROKOTYAN, Yevgeniy Sergeyevich; GUREVICH,
Azriel' Yefimovich; SON'KIN, M.A., red.; KISELEVA, T.I.,
ATTOPOVICH, M.K., tekhn. red.

[Calculating the power of main drive motors for rolling mills]
Raschet moshchnosti dvigatelei glavnnykh privodov prokatnykh
stanov. Moskva, Metallurgizdat, 1962. 360 p. (MIRA 15:6)
(Rolling mills—Electric driving)

KULIKOV, Aleksandr Aleksandrovich; BELEN'KIY, Aleksandr Abramovich;
RAPUTOV, Boris Mikhaylovich; FILATOV, A.S., kand.tekhn.nauk,
retsenzent; SON'KIN, M.A., kand.tekhn.nauk, retsenzent;
TUBMAN, M.L.,--inzh., retsenzent; KISELEVA, T.I., red. izd-va;
VAYNSHTEYN, Ye.B., tekhn. red.

[Electrical equipment of enterprises of nonferrous metal-
lurgy] Elektrooborudovanie predpriatii tsvetnoi metallurgii.
Pod obshchei red. A.A.Kulikova. Moskva, Metallurgizdat, 1962.
600 p.
(MIRA 15:7)
(Nonferrous metal industries--Electric equipment)

"APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R001652420002-9

SONKIN, M.M., Eng.

Assembling through-type boilers. Blk. sta. 29 no.9 8 '58.
(Boilers) (MIRA 11:11)

APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R001652420002-9"

SONKIN, M.M., inzh.; SHUL'MAN, Ye.I., inzh.; EBERLIN, L.A., inzh.

Mobile units for conducting assembling operations. Emerg.
stroi. no.15:21-28 '59. (MIRA 13:8)

1. Moskovskiy filial instituta "Orgenergostroy".
(Power engineering—Equipment and supplies)

SONKIN, Moisey Yevelevich; MAKSIMOV, Ivan Georgiyevich; GORYANSKIY, Yu.V.,
red.; KOTLYAKOVA, O.I., tekhn.red.

[The seaport of Leningrad] Morskie vorota Leningrada. Leningrad,
Izd-vo "Morskoi transport," 1957. 156 p. (MIRA 11:1)
(Leningrad--Harbor)

SONKIN, M.Ye.; LAPINA, Z.D., red.; TIKHONOVА, Ye.A., tekhn. red.

[This happened in the Baltic; sketches and reminiscences]
Eto bylo na Baltike; ocherki i vospominanija. Moskva,
Izd-vo "Morskoi transport." No.2. 1963. 389 p.
(MIRA 17:1)

BELOV, V. B., gornyy inzh.; ZHAWLYUCHENKO, A. I., gornyy inzh.;
KHUDYAKOV, M. Ya., gornyy inzh.; SHENDEROVICH, I. M., gornyy
inzh.; SONKIN, V. D., gornyy inzh.

Anchor bolting in hydraulic mines. Ugol' Ukr. 6 no.10:31-32
0 '62. (MIRA 15:10)

1. Ukrainskiy nauchno-issledovatel'skiy institut gidrodobychi
uglya.

(Donets Basin--Hydraulic mining)
(Mine roof bolting)

SONKIN, Ye.A.

Method for approximation calculation of the cooling of sheet-metal blanks. Izv.vys. ucheb. zav.; neft' i gaz no. 3:129-131 '58.
(MIRA 11:7)

1. Moskovskiy neftyanoy institut im. akad. I.M.Gubkina.
(Stamping(Metals))

WITI, Yuli, 2nd Tech Sci --(dir.) "Very big problem ~~to~~ to
the technology of hot stamping of bottoms for petroleum apparatus."
Mar, 1959. 12 pp (Min of Higher Education USSR. The Order of
Labor and Minister of Petroleum ~~Chemical~~ and Gas Industry
in word T.I. Sulin. Chair of Technology of Petroleum Apparatus
~~Hot~~ Hot Stamping and Hot Treatment of Metal), 120 copies
(P., 2-24, 1960)

"APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R001652420002-9

SONKIN, Ye.A.

Calculating pressing forces for hot sheet stamping. Kuz.-
shtam.proizv. 1 no.1:11 Ja '59. (MIRA 12:10)
(Sheet-metal work)

APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R001652420002-9"

SONKIN, Ye.A.

Hot stamping of thin walled bottoms. Izv. vys. ucheb. zav.;
neft' i gaz 2 no.5:87-90 '59. (MIRA 12:8)

1. Moskovskiy institut neftekhimicheskoy i gazovoy promyshlennosti
im. akademika I.M. Gubkina.
(Sheet-metal work)

24(8)

AUTHOR:

Sonkin, Ye. A.

SOV/152-59-2-27/32

TITLE:

The Calculation of the Cooling of Workpieces During the Drop Forging of Sheet Metal (Raschety okhlazhdeniya zagotovok pri goryachey listovoy shtampovke)

PERIODICAL:

Izvestiya vysshikh uchebnykh zavedeniy. Neft' i gaz,
1959, Nr 2, pp 107 - 111 (USSR)

ABSTRACT:

Drop forging of workpieces of steel plate on hydro-presses is applied to a greater and greater extent in the building of apparatus for the petroleum- and chemical industries. The main factor in this process is the temperature of the heated workpiece. It is known that workpieces of less than 12-15 mm thickness cool off rapidly. The author suggests to delay the cooling off by drop-forging each individual piece with heat-protecting interlayers. For this purpose the workpiece is covered with two asbestos plates immediately after having been taken out of the furnace. In this case the following convection formula can be used for determining the cooling off:

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The Calculation of the Cooling of Workpieces During the SCV/152-50-2-27/32
Drop Forging of Sheet Metal

$$t = t_1 e^{-\left(\frac{2\beta\tau}{\delta}\right)} \quad (3)$$

t - current temperature of the workpiece, t_1 - temperature of the workpiece at the beginning of the cooling-off; β - empirical factor of proportionality, δ - workpiece thickness, τ - duration of cooling-off, e - basis of natural logarithm.

Formula (3) can also be transformed so as to be more easily applicable for determining the cooling-off time of thin steel plate workpieces within the limits of certain temperature ranges (Ref 2)

$$\tau = \frac{\delta}{2\beta} \ln \frac{t_1}{t_2} \quad (4)$$

τ = cooling-off time of the workpiece from the temperature t_1 to temperature t_2 ; t_2 - temperature of the workpiece at the

Card 2/3

The Calculation of the Cooling of Workpieces During the
Drop Forging of Sheet Metal

end of the cooling-off. To determine the cooling-off by the formulas (3) and (4) the value of the empirical factor of proportionality β must be known. Some concrete values for this factor, which were found experimentally, are given in table 2. By means of the convection formula described practical calculations for different cases of the cooling-off of steel plate workpieces during the drop forging can be carried out. There are 1 figure, 2 tables and 2 Soviet references.

ASSOCIATION: Moskovskiy institut neftekhimicheskoy i gazovoy promyshlennosti im. akad. I. M. Gubkina (Moscow Institute of Petroleum Chemical- and Gas Industry imeni Academician I. M. Gubkin)

SUBMITTED: December 7, 1958

Card 2/3

SOKHAT, YEH.

BOSTON: D. C. THOMAS & COMPANY, 1901.
PRINTED IN U.S.A.

TABLE I. STATE EXPENDITURES

BY FISCAL YEARS

1860-61 TO 1900-01.

IN MILLIONS OF DOLLARS.

(Estimations in the
Table of State Expenditures) Boston, 1900, 66 p., Extra
copy furnished. \$1.00 copy printed.

Price, 50c.
D. C. THOMAS & COMPANY, 100 Brattle Street, Boston, Mass.

PURPOSE.—This collection of articles is intended for engineers, designers, and students interested in the plastic working of metals.

CONTENTS.—A detailed discussion of the following problems: **1.** Metal deformations at small strains; forging and cross-rolling; deformation of a *laminated* metal by hydromechanical processes; thinning-out of plastic deformation in stamping operations under the state of stress in helical cross-rolling on a three-roll mill; bending of sheet metal for structural purposes by the method of bulging; **2.** Deformation of sheet metal by the method of bulging; **3.** Determination of the yield strength of sheet metal by the cold stamping of sheet metal; **4.** Determination of the quality of sheet metal and the temperature field in the hot stamping of sheet metal. No particularities are mentioned which are not typical of sheet metal. Some particularities are described which are typical of the article.

2. Pechhold, A.B. On the Tensile Strength in Metal During Plastics and Creases
Banding. 2

3. Gruener, V.H. Determination [vor Anwendung] of Hydrostatic Pressure 22

4. Baker, V.P. Problem of Isotropizing the Plastic Deformation 16

5. Gruener, V.H. 25

17
Lambertson, E. J., and F. M. Scott (editors). Investigations Based on the Results of Research Work in the United States Bureau of Standards on the Problem of Testing Sheet Steel for Standardization. In: *Journal of Research of the National Bureau of Standards*, Vol. 12, No. 1, Jan. 1934.

Karpov, A.Y. On the Quality of Industrial Lubricants Used in the Cold Rolling of Sheet Steel.

Khishchuk, I.I., and G.M. Mechelov. On the Problem of Determining the Strength of Certain Sheet Steels.

Kostylev, Ye.P. Methods of Investigating the Temperature Field in Cold Test Samples of Steel Plates.

A HISTORY OF CIVILIZATIONS

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54

S/182/61/000/003/002/009
A161/A133

AUTHOR: Sonkin, Ye. A.

TITLE: Calculating the flash temperature for die forging on presses

PERIODICAL: Kuznechno-shtampovochnoye proizvodstvo, no.3, 1961, 8 - 9

TEXT: The role of flash in die forging processes is briefly discussed and a calculation method is suggested. It is pointed out that the calculation of the flash temperature helps to improve the die-forging technology and the die designs, and presents a new approach to determine the flash thickness when selecting the press power. The calculation is simplified by assuming that temperature gradients within the flash are absent (in view of its usual thinness and large surface area). The final simple calculation formula is:

$$t = t_{in} \left(1 - \frac{as\tau}{bh}\right) \quad (7)$$

where t is the mean temperature in the flash during forging; t_{in} - the initial flash temperature; a - the relative heat transfer factor; s - the width of barrier in the flash groove of the die; τ - the time during which the flash remains

Card 1/2

Calculating the flash temperature for...

S/182/61/000/003/002/009
A161/A133

in contact with the die; b - the flash width; h - one-half of the flash thickness. It is evident that the flash cooling time can be varied by using a different flash thickness. The article includes a table of the α factor values determined empirically for carbon steel forgings of 0.5 to 100 kg weight, $t_{in} = 1,200^{\circ}\text{C}$, $b \approx 2\text{s}$, and $T = 0.1 \text{ sec}$. The formula (7) can be used also for solving the inverse problem, i.e. for calculating the flash cooling time within a certain temperature range. There are 4 Soviet-bloc references.

Card 2/2

SONKINA, A.P.; POLINOVSKIY, N.M., kandidat meditsinskikh nauk

Result of health education work among mothers of children boarded
in nurseries. Pediatriia 39 no.5:68-71 S-0 '56. (MLRA 10:1)
(MATERNAL WELFARE,
educ. of mothers of child. boarded in nurseries (Rus))

FOMIN, V.G.; GUREVICH, M.A.; SONKINA, E.M.

Modernized RKS0 camera for diffraction microradiography.
Prib. i tekhn. eksp. 9 no.2:160-162 Mr-Ap'64. (MIRA 17:5)

1. Gosudarstvennyy nauchno-issledovatel'skiy i proyektnyy
institut redkometallicheskoy promyshlennosti.

"APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R001652420002-9

SONKINA, E. S.

"Antiseptic Procedures in the Treatment of "angrenous Teeth," Stomatologiya, No. 2,
1949. Cand. Med. Sci.,

APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R001652420002-9"

SENKIN, G.F.

AUTHORS: Zayonchkovskiy, A.D., Yelko, Ye.Z., Pernosteyn, N.Ih., Semirling, S.X., Kirlyenko, N.V., Vishnevskaya, N.D., Abramova, V.V., Lenivtsev, A.I., AND Senkin, G.F. 338/19-51-6-72/605

TITLE: A Method of Obtaining Artificial Shoe Leather for the Uppers of Footwear (Sposob polucheniya izkusstvennoy koishi dlya verkhov obuvi)

PERIODICAL: Byulleten' izobreteniya, 1959, Nr 6, p 20 (338)

ABSTRACT: Class 8 1, 2. Nr 113762 (558397 of 11 Apr 1956). Submitted to the Committee for Inventions and Discoveries at the Ministers Council of USSR. A method of producing artificial leather by covering a fibrous base with a film of a thermoplastic polymer and then pressing them together, by pressing the fibrous base upon the film preliminarily spread on the press plate; the quality of the product is improved by using in the first case plates with flanges (projections)

Card 1/2

SONKINA, G.F.; ZAYONCHKOVSKIY, A. D.; YABKO, Ya.M.

Pickers made of artificial leather. Leg. prom. 18 no.1:26-27 Ja '58.
(Pickers (Weaving)) (MIRA 1:?)

Sonkina v. n.

U.S.S.R. / Human and Animal Physiology. Liver.

T

Abs Jour: Ref Zhur-Biol., № 5, 1958, 22277.

Author : Sonkina, V. A.

Inst : Institute of Physiology, BSSR.

Title : Some Observations on Interoceptive Gastric
Effects on the Biliary Function of the Liver.

Orig Pub: Pr. In-ta fiziol. A. N. BSSR, 1956, 1, 37-46.

Abstract: The quantity of excreted bile (B) and bilirubin (I) in the course of 4 hrs. was determined in dogs with gall bladder and stomach fistulas on fasting and following meat feeding. Mild distension of the stomach with a balloon (50-250 ml of air) increased the spontaneous bile formation, forceful distension (500-700 mm) inhibited it. The concentration of I decreased with the increase of the value

Card 1/2

SONKINA, V. A.: Master Biol Sci (diss) -- "Interoceptive influences of the stomach on the biliogenic function of the liver". Minsk, 1958. 15 pp (Acad Sci Beloruss SSR, Inst of Biology), 120 copies (KL, No 1, 1959, 118)

COUNTRY : USSR
CATEG.: Human and Animal Physiology, The Nervous System
T
ART. JOUR. : RZhFiziol., No. 5 1959, No. 22402
AUTHOR : Sonkina, V.A.
INST. : Institute of Physiology of the Byelorussian SSR
TITLE : Interoceptive Influences on Bile Formation Originating in the Stomach in the Face of the Action of Chloral Hydrate.
SERIAL. NO. : Tr. In-ta fiziol. AN BSSR, 1958, 2, 120--128
ABSTRACT : In 3 dogs with fistulas of the gall bladder and stomach, interoceptive effects from the stomach on bile formation were produced by stretching or irrigation of the gastric mucosa with acetylcholine (10^{-9}). The investigations were performed after administration of different doses of chloral hydrate. In control experiments it was established that the effect of chloral hydrate on bile secretion is determined by the dose of the narcotic agent injected. Bile formation increased at doses of 0.1 to 0.3 gm/kg, and decreased at a dose of
Card: 1/2

T-88

ZSIGMOND, Andras; SONKOLY, Sandor

Some important aspects of operating canned industry condensers.
Konzerv paprika no.4:117-121 Jl-Ag '62.

1. Cukoripari Kutato Intezet (for Zsigmond). 2. Konzerv- es
Paprikaipari Kutato Intezet (for Sonkoly).

SONKOLY, Sandor

Lithography. Konzerv paprika special issue:57 '63.

SONKOLY, Sandor

Boxmaking. Konzerv paprika special issue:58 '63.

ORLOVA, A.; SCHREIBER, V.; KMENTOVA, V.; SONKOVA, L.

Dynamics of the effect of hypoglycemic sulfonamides. Cesk. fysiol.
6 no.4:507-510 Nov 57.

1. Laborator pro endokrinologii a metabolismus pri III. interni
klinice fakulty všeobecného lekarství Karlovy univerzity, Praha.

(ANTIDIABETICS, effects,

carbutamide, on blood sugar in normal & adrenalectomized
animals & on adrenal vitamin C (Cz))

(ADRENALECTOMY, effects,

on blood sugar response to carbutamide (Cz))

(ADRENAL CORTEX, metabolism,

vitamin C, eff. of carbutamide (Cz))

(VITAMIN C, metabolism,

adrenal cortex, eff. of carbutamide (Cz))

SONNENSCHEIN, Otto, ing.

Insulation of machines against transmission of vibrations
by rubber-metal dampers. Industria usoara 9 no.9:363-366
S '62.

SONNENSCHEIN, Otto, ing.

Functional colors as a support in raising productivity.
Industria usoara 9 no.12:517-522 D '62.

SONNTAGS

1211. SIMPLE DEVICE FOR MEASURING THE EXPANSION PRESSURE OF COAL.
Lindzialekiewicz, J. and Sonntag, J. (Przegl. Gorn., (Min. Rev., Stalingrad),
1955, (6), 17-20). Application of a mercurial manometer instead of a spring
dynamometer for measuring the expansion pressure of coal is described with a
detailed account of the device and operating instructions. (L). S.M.R.

2. The following is a list of the names of the species of birds observed during the month of April, 1892.

W. H. D. B., 1900
H. L. H. 1900
W. C. H.
W. H. D.

See: *Joint Interagency Accession*, Vol. 5, No. 5, May 1956.

APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R001652420002-9"

SONNTAG, Sig, correspondent; VRINCEANU, Ilie, correspondent

The trial at the place of work. Constr Buc 14 no. 674: 4
8 December 1962.

"APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R001652420002-9

GAAB, M.T.; VARNAVSKIY, M.G.; TUMANOV, A.F.; SINYAKOV, V.N.; SONOMATOV, N.A.

Measures for maintaining pressure in petroleum strata. [Suggested by
Gaab, M.T.; Varnavskiy, M.G.; Tumanov, A.F.; Sinyakov, V.N.,
Sonomatov, N.A.] Prom.energ. 12 no.10:22 0 '57. (MIRA 10:10)
(Oil field flooding)

APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R001652420002-9"

SONOMDORZH, I., Cand Agr Sci -- (diss) "Effect of Organic and
Mineral Fertilizers ^{up} on the ^{Yield} Crop and Quality of Potatoes on Chestnut
Soils of Khangay Zone of the Mongolian People's Republic." Mos,
1957. 17 pp (Mos Order of Lenin Agricultural Acad im K. A.
Timiryazev), 110 copies (KL, 47-57, 89)

51

Author: Cultivated Plants. Potatoes. Vegetables.
Cucurbita.
Title: AS. JELU. and other - 1951, No. 20265

Author: Sonondorzh, I.
Title: Moscow Agric. Acad. im. K. A. Timiryazev
Effect of Organic and Mineral Fertilizers
on the Potato Yield from Chestnut Soils in
the Mongolian People's Republic.
Date: Dokl. Nauch. o.-kh. akad. im. K.A.
Timiryazeva, 1957, vyp. 31, 79-84

Abstract: Under conditions of the chestnut and dark-
chestnut soils of Khangayskaya zone, the
effect of fertilizers with a single spring
irrigation was studied. The best results
were gotten from combining manure at 15 t/ha
and N60P45. In one of the trials the applica-
tion of a fraction (N15P15) of the basic fer-
tilizer (N60P45) directly into the hole in-
creased the tuber yield by nearly 20 centners
per hectare, slightly reduced in sidedressing

1000

1/2

CZECHOSLOVAKIA

GRANTOVA, Helena, MUDr; SUNSKA, Natalie, MUDr; STANISIC, Michal, doc. MUDr. CSc.

1. Clinic for Contagious Diseases (Klinika infekcni nemoci), Prague
(for ?); 2. (Nya) Nas-Nose-and-Throat Section, Prague Hospital (Uni-
nioni a kreni oddeleni nemocnice, Prague) (for ?)

Prague, Prakticky lekar, No 18, 20 September 1965, pp 705-707

"Ear complications of measles."

SOKSKY, B.

Effect of prenatal administration of vitamin K. Cesk.gyn. 15 no.3:
176-180 '50. (CIML 19:3)

1. Of the Gynecologic-Obstetrical Department in Bulovce (Head --
Docent Jiri Moudry, M.D.).

SOUKY, Jan

Determination of oil exchange in the Skoda 5 110, SL 275
and SL 350 engines. Popa a uhlis 6 no. 1:26-30 Ja'64

1. Ceskoslovenske zavody naftovych motoru, Research Institute
of Naphtha Motors, Prague.

S/262/62/000/010/018/024
I007/I207

AUTHOR: Šonský, I.

TITLE: Field testing of lube oils

PERIODICAL: Referativnyy zhurnal, otdel'nyy vypusk. 42. Silovyye ustavovki, no. 10, 1962, 68, abstract 42.10.388. "Techn. zprávy. Výzkumn. ústav naft. motoru", no. 7-8, 1960, 1-3.

TEXT: The Scientific Research Institute for diesel engines of the Czech Democratic Republic carried out field tests of type no. 8 and no. 8A lube oils (the latter with 3% of циатим-339 (tsiatim-339) additives), on Skoda-110 diesel engines. The object of the test was to establish duration of service life, variation of physicochemical properties of the lube oils and wear of cylinder sleeves (linear). The possibility was established of increasing the service life of the lube oils by adding detergents and anti-oxidizing admixtures.

[Abstracter's note: Complete translation.]

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Card 1/1

LANDA, Stanislav; HALA, Slavoj; WEISSER, Otto; STRILEK, Vladislav;
SONSKY, Jan

Composition of lighter portions of Hodonin crude oil. Sbor.pal.vod.
VSChT 1958:21-43. (MAI 9:4)

1. Katedra syntetickych pohonných látiek, Vysoká škola chemicko-
technologická, Praha.
(Czechoslovakia—Petroleum)

SONSKY, Jan

Motor oils for Diesel engines operating with higher sulfur content fuels. Ropa a uhlí 5 no. 4119-124 Ap '63.

1. Vyzkumny ustav naftovych motoru, Praha.

SONTA, J.

The feeding of livestock in summer. p. 24. (PLOM. Vol. 4, No. 7, 1953.)

SO: Monthly List of East European Accessions, L.C., Vol. 3, No. 4, April, 1954.

SONTA, J.

"Contracts for Stallions." p. 23
"Conditions of Contracts for Silkworms in 1954." p. 23
(Plon, Vol. 5, No. 2, Feb. 1954, Warszawa)

SO: Monthly List of East European Accessions, Vol. 3, No. 6, Library of Congress, June,
1954, incl.

SEMADENI, Irena; BUDZINSKA, Kazimiera; KANTOREK, Regina; SONTA, Krystyna

Critical evaluation of the etiopathogenesis and therapy of inflammation of cranio-facial bones. Roczn. pom. akad. med. Swierczeński. 7: 283-299 '61.

1. Z Kliniki Chirurgii Stomatologicznej Pomorskiej Akademii Medycznej
Kierownik: doc. dr med. Irena Semadeni.

(FACIAL BONES dis) (OSTEOMYELITIS)

SONTA, O.

Members of the League for Cooperation with the Army in the May Day parade. p.323.
(Svet Motoru, Vol. 11, No. 11, May 1957, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) 1C. Vol. 6, No. 9, Sept. 1957. Uncl.

SWIETOCZOWSKI, Boleslaw; SONTA, Wiera

Influence of the soil humidity upon the growth and development of certain field weeds; pot experiments. Rocznik nauk roln. rosl 85 no. 1: 1-28. '62

1. Zaklad Ogolnej Uprawy Rolni i Roslin, Wyższa Szkoła Rolnicza, Wrocław.

BALTANOIU, M., ing.; SONTEA, G., fiz.

Determining the physical constants E,G, and by the use
of ultrasonics. Metrologia apl 11 no. 4: 153-156 Ap
'64.

SONTEA, S.

SONTEA, S. Introduction of a calculating management in the machine-tools section. p. 64.

Vol. 8, no. 10, Oct. 1956
METALURGIA SI CONSTRUCTIA DE MASINI.
TECHNOLOGY
RUMANIA

So: East European Accession, Vol. 6, No. 5, May 1957

SONTEA, S., ing.; MURARETU, Gh., ing.; BALTAZORIU, M., ing.

Influence of the chemical composition and structure on the
electric resistance of cast-iron elements for electric apparatus.
Metallurgia Rum 17 no.2:90-92 F '65.

1. "Electropuțere" Plant, Craiova.

L 49225-65 EWT(d)/EWP(c)/EWP(v)/T/EWP(t)/EWP(k)/EWP(b)/EWP(l)/EWA(c) Pf-4 IJP(c)

JD

ACCESSION NR: AP5015216

HJ/0004/64/000/007/0265/0268

28
B

AUTHOR: Baltanciu, Maximilian(Engineer)(Craiova); Sontea, Sever(Engineer)(Craiova)

TITLE: Metallographic methods applied to the quality control of silicon iron

SOURCE: Electrotehnica, no. 7, 1964, 265-268

TOPIC TAGS: iron, silicon, metallography

Abstract [Authors' English summary modified]: A description of the metallographic methods used by the authors for the quality control of silicon-iron, especially to determine metallic inclusions, microstructure and grain size. Photographs of some of their results are included. Orig. art. has 7 figures and 1 graph.

ASSOCIATION: Uzinele "Electropuțere", Craiova(Electric power works)

SUBMITTED: 17Jul63

ENCL: 00

SUB CODE: MM

NO REF Sov: 000

OTHER: 003

JPRS

Card 1/1

BALTANDIU, Maximilian, ing. (Craiova); SONTEA, Sever, ing. (Craiova)

Metallographic methods applied to the quality control of
siliceous sheets. Electrotehnica 12 no.7:265-268 J1 '64.

1. Office of the Central Laboratory of the "Electroputere" Plant,
Craiova.

L 33362-66 EWP(c)/EWP(v)/T/EWP(k)/EWP(1) IJP(c)
ACC NR: AP602/600 SOURCE CODE: RU/0017/65/000/009/0477/0478
AUTHOR: Baltanouiu, M. (Engineer); Sontea, S. (Engineer) 29
ORG: "Electroputere" Works, Craiova (Uzinele "Electroputere") b
TITLE: Detecting surface defects by means of penetrating solutions
SOURCE: Metalurgia, no. 9, 1965, 477-478
TOPIC TAGS: metal surface, metal inspection

ABSTRACT: A brief description of the principle and technology of the use of penetrating solutions to detect surface defects in metallic parts or subassemblies. The authors find the method a simple and effective one, capable of showing up very small defects (to 0.15 millimeters). Orig. art. has: 5 figures. [Based on "Eng. Eng. abstr." LIPRS: 33,732]

SUB CODE: 11 / SUBM DATE: none

Card 1/1 BLC

UDC: 621.771.2:620.179.6

09/67 0353

ACC NRI AF6031219

SOURCE CODE: RU/0004/65/000/001/0028/0030

AUTHOR: Sontea, Sever (Craiova); Baltanciu, Maximilian (Craiova)

ORG: none

TITLE: Dilatometric studies on the plastics and casting resins used in manufacture by the "Electropuerte" Works in Craiova.

SOURCE: Electrotehnica, no. 1, 1965, 28-30

TOPIC TAGS: epoxy resin, electronic component

ABSTRACT: In a paper "for the young engineer" the authors describe their dilatometric tests on Araldit B; Epoxy Resin 2000; and Dinox 110. The tests were performed in connection with the selection of casting resins for the manufacture of electrotechnical products. Orig. art. has: 8 figures and 2 formulas. [JPRS]

SUB CODE: 11, 09 / SUBM DATE: none / OTH REF: 002

Card 1/1

UDC: 621.315.616:621.317.39:526.15

09/8 2652

"APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R001652420002-9

BOYADZHAN, A.A.; SONTS, M. Ya.; ARMAGANYAN, A.S.

Automatic control of conveyors in the closing shops. Kozh.-obuv.
(MIRA 19:1)
prom. 7 no. 10:12-14 0 '6X

APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R001652420002-9"

USSR / General Biology. Genetics: Plant Genetics.

B-5

Abs Jour : Ref Zhur - Biol., No 14, 1958, No 61935

Author : Sontsov, M. P.

Inst : AS BSSR, Section of Biological Sciences.

Title : Certain Hereditary Traits Transmitted by Multivaried Hybrids of Cultivated Strawberries.

Orig Pub : Izv. AN BSSR, Ser. biol., N., 1957, No 1, 55-64

Abstract : Since for all practical purposes strawberries multiply vegetatively ("by tendrils"), it is possible to quickly obtain practical results by hybridization of various varieties. The author crossbred various strawberry varieties and studied hereditary traits in F₁. In most cases the hybrids presented intermediate forms of parent plants. -- S. Ya. Kryevoy.

Card 1/1

SOMIT, G.

Modern test rail car for checking characteristics of railroad cars,
p. 235, JARNUVEK MEZOGAZDASAGI GEPEK (Dolgozo Ifjusag Szvetsege)
Budapest, Vol. 3, No. 8, Aug. 1956

SOURCE: East European Accessions List (EEAL) Library of Congress,
Vol. 5, No. 11, November 1956

SONYI, Gusztav, okleveles gepeszmernok

Railroad vehicle with an accumulator. Jarmu mezo gep 8
no.11:414-418 N '61.

1. Wilhelm Pieck Vagon- es Gepgyar, Gyor.

"APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R001652420002-9

SONYUSHKIN,Ye.P.

Application of microstructural analysis in the study of vein ore
deposits. Trudy Inst.geol.nauk no.162:69-81 '55. (MLRA 8:11)
(Ore deposits)

APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R001652420002-9"

SONYUSHKIN, Ye.P.

Origin of some tabular limestone bodies in southwestern TienShan.
Trudy Inst.geol.nauk no.162:82-93 '55. (MLRA 8:11)
(Tien Shan--Limestone)

Sonyushkin, Ye.P.
AUTHORS: Lukin, L.I., Sonyushkin, Ye.P.

11-58-3-1/14

TITLE: Structures of Hydrothermal Uranium Deposits and Some Problems
of Their Study (Strukturny gidrotermal'nykh uranovykh mestorozh-
deniy i nekotoryye voprosy ikh izucheniya)

PERIODICAL: Izvestiya Akademii Nauk SSSR, Seriya Geologicheskaya, 1958,
3, pp 3-15 (USSR)

ABSTRACT: This article deals with questions of the connection existing between hydrothermal uranium deposits and local tectonic structures. As the exploration and search for new uranium deposits was intensified during the past years, several regularities of their distribution and location were observed, although not sufficient enough to draw any decisive conclusions. In general, a superficial study shows that main deposits are usually found in the zones of passage of shields and plateaus into geosynclines, and also where the sagging of plateaus is observed. Numerous regional breaks are characteristic for uranium ore deposits. A lack of information does not permit an average depth of these deposits to be established. Some indications, such as hypabasal appearance of intrusions and textural peculiarities of the ore, show that they were formed in relatively shallow geological layers. This applies especially to deposits found in Canada,

Card 1/4

11-58-3-1/14

Structures of Hydrothermal Uranium Deposits and Some Problems of Their
Study

Finally, study of structural conditions of uranium in hydrothermal deposits gives the following principal types of ore-bodies:

- 1) conformable ore-bodies in extreme steep folds;
- 2) ore-bodies in the zones of stratified breaks;
- 3) ore-bodies in folds of ore-bearing crevices;
- 4) ore-bodies in places of intersection and junction of tectonic zones and crevices;
- 5) ore-bodies in places of interlinking main crevices;
- 6) ore-bodies underlying tectonic dislocations and dikes;
- 7) ore-bodies in places of intersection of ore-bearing crevices with dikes, older veins and rocks favorable for ore-forming;
- 8) ore-bodies in sections of development of small crevices.

Of the many questions needing further elaboration, the most important are:

- 1) a more accurate definition of the depth of formation of hydrothermal uranium deposits, and of the vertical intervals of the development of their mineralization;
- 2) Determining the role of folded structures in the distribution of uranium fields and deposits;

Card 3/4